

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

MINERAL SURVEY NO. 4427

Arizona Land District.

FIELD NOTES

Of The Survey Of The Mining Claim Of

American Smelting and Refining Company

Known As The
Golden West No. 7, Fed Nos. 19, 20, 21, 22 and 35, Kino #3, 4, 5, 6, 7, 8,
9, 13, 16 and 17 lodes

Pima Mining District,

Pima County, Arizona
Section 36 Township 16 South Range 12 East
Section 31 Township 16 South Range 13 East, G.&S.R.M.

Surveyed under order dated February 7, 1957

by T. N. Stevens
Mineral Surveyor.

Claim located See reverse side, 19

Survey commenced January 14, 1957

Survey completed May 7, 1957

Address of claimant c/o Ben C. Hill, Attorney
216 North Main, Tucson, Arizona

DATES OF AMENDED LOCATIONS

See reverse side

	<u>Date of Location</u>	<u>Amended</u>
Golden West No. 7	9/6/53	6/22/55
Fed No. 19	12/12/53	
Fed No. 20	12/12/53	
Fed No. 21	12/12/53	1/16/57
Fed No. 22	12/12/53	1/16/57
Fed No. 35	6/4/54	
Kino #3	8/31/53	
Kino #4	8/31/53	
Kino #5	9/6/53	
Kino #6	9/6/53	
Kino #7	9/6/53	
Kino #8	9/6/53	
Kino #9	9/5/53	
Kino #13	9/5/53	
Kino #16	9/5/53	
Kino #17	9/5/53	

MINERAL SURVEY NO. 4427

Chains

This survey was made with a C. L. Berger & Son transit with horizontal limb $6\frac{1}{2}$ ins. diam., with vertical circle 5 ins. diam., each having two opposite verniers; the verniers read to one minute of arc. The instrument was in good condition at the time of the survey and all adjustments were in good order.

All azimuths in this record were determined by the method of deflection angles referred to the meridian determined by the following observation:

Friday, March 8, 1957, at cor. No. 1, Fed No. 19, identical with cor. to secs. 25, 30, 31 and 36, T. 16 S., Rs. 12 and 13 E., G. & S. R. M. in latitude $32^{\circ} 00' N.$, longitude $111^{\circ} 03' 46'' W.$, I made a series of observations upon the sun for azimuth at approximately equal time intervals; three with the telescope in direct and reversed positions, bisecting the sun and reading the horizontal angle southwest to the sun.

Mean time of observation 105th

Meridian Standard Time 2h 22m P.M.

Apparent time 2h 08m 39s P.M.

Declination of sun at mean time of

observation $4^{\circ} 43' 08.53''$

Mean observed vertical angle to

sun's center $45^{\circ} 48' 10''$

Horizontal angle from reference point $37^{\circ} 50' +$

The lines were measured with a Keuffel and Esser steel tape, 300 ft. in length, the first foot graduated to tenths and hundredths; and a 100 ft. Lufkin steel tape, graduated to feet, tenths and hundredths. Both tapes were compared with a standard and were correct at the time of the survey.

All lines and connections of this survey were run by direct methods.

The magnetic declination observed at each cor. of the survey gave a uniform value of $13^{\circ} 45' E.$

Feet

GOLDEN WEST NO. 7 LODGE

At cor. No. 1 of the Golden West No. 7 lode, identical with cor. No. 2 Kino #5 lode.

Set an iron post, $3\frac{1}{2}$ ft. long, 2 ins. diam., 18 ins. in the ground, with leaden cap mkd. 1-GW.No. 7, 2-Kino #5-4427; from which

The $\frac{1}{2}$ sec. cor. bet. secs. 31 and 36, T. 16 S., Rs. 12 and 13 E., bears S. $0^{\circ} 44' W.$, 475.25 ft. dist., consisting of an iron post, 1 in. diam., 10 ins. above ground, firmly set and mkd. as described in the official record.

Thence N. $0^{\circ} 44' E.$

100.00 Wash, 10 ft. wide, course NE.

144.92 Cor. Golden West Nos. 4 and 5 lodes; claimant herein, unsurveyed.

300.00 Lode line, discovery point bears S. $89^{\circ} 41' E.$, 299.55 ft.

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Chains	
600.00	Set a redwood post, 4 ins. sq. by 4 ft. long, firmly in the ground, mkd. W.E.C. GW No. 7. To cor. No. 2, identical with cor. No. 2 Kino #6 lode, this survey.
520.00	Set an iron pipe, 3½ ft. long, 2 ins. diam., 18 ins. in the ground, with leaden cap mkd. 2 GW No. 7, 2 Kino #6-4427. No bearing objects are available.
1,475.00	Thence S. 89° 41' E. Wash, 10 ft. wide, course NE.
1,499.55	Wash, 14 ft. wide, course NE. Cor. No. 3, identical with cor. No. 3 Kino #6, on line 2-3 Kino #7 lode of this survey.
210.00	Set an iron post, 3½ ft. long, 2 ins. diam., 18 ins. in the ground, with leaden cap mkd. 3 GW No. 7, 3 Kino #7. No bearing objects are available.
300.00	Thence S. 0° 44' W. Wash, 10 ft. wide, course NE.
430.00	Lode line, discovery point bears N. 89° 41' W., 1200.00 ft. dist., identical with cor. Nos. 3 and 4, Kino #7 and #8 of this survey. Set an iron post, 3 ft. long, 2½ ins. diam., 18 ins. in the ground, with leaden cap mkd. EE. C GW No. 7, 3 K#7, 4 K#8-4427. No bearing objects are available.
560.00	Wash, 10 ft. wide, course NE.
600.00	Wash, 5 ft. wide, course NE.
170.00	Cor. No. 4, identical with cor. No. 3 Kino #5, on line 1-4 Kinos #8 lode of this survey. Set an iron post, 3½ ft. long, 2 ins. diam., 18 ins. in the ground, with leaden cap mkd. 4 GW No. 7, 3 Kino #5-4427. No bearing objects available.
450.00	Thence N. 89° 41' W. Wash, 5 ft. wide, course NE.
590.00	Wash, 10 ft. wide, course NE.
1,499.55	Cor. No. 1 and place of beginning.

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Chains Feet	FED NO. 19 LODE
	<p>At cor. No. 1 of Fed. No. 19 lode, identical with cors. of secs. 30, 31, 25 and 36, T. 16 S., Rs. 12 and 13 E. on the S. bdy. of San Xavier Indian Reservation.</p> <p>Set an iron post, 3½ ft. long, 2 ins. diam., 18 ins. in the ground, with leaden cap, alongside the sec. cor., mkd. 1 Fed. No. 19.</p> <p>The cor. to secs. 30, 31 25 and 36 consists of an iron post, 2 ins. diam., showing 18 ins. above ground, firmly set and mkd. as described in the official record.</p> <p style="text-align: center;">Thence S. 0° 44' W.</p>
30.00	Wash, 20 ft. wide, course E.
100.00	South right-of-way line Pima Mine road, bears N. 89° 16' E.
300.00	Lode line; discovery point bears N. 89° 16' E., 1,490 ft. A redwood post, 4 ins. sq. by 4 ft. long, set firmly in the ground, mkd. W.E.C. F. No. 19.
600.00	Cor. No. 2, identical with cor. No. 1 Fed No. 20 lode of this survey. Set an iron post, 3½ ft. long, 2 ins. diam., 18 ins. in the ground, with leaden cap mkd. 2 F 19, 1 F 20-4427. No bearing objects are available. Thence N. 89° 16' E.
110.00	Wash, 18 ft. wide, course NE.
1,500.00	Cor. No. 3, identical with cor. No. 4 Fed No. 20 lode of this survey, on line 2-3 Kino #7 lode of this survey. Also cor. of location of Fed. No. 21 lode. Set an iron post, 3½ ft. long, 2 ins. diam., 18 ins. in the ground, with leaden cap mkd. 3-F 19, 4-F 20-4427. No bearing objects are available. Thence N. 0° 44' E.
207.58	To cor. No. 2 Kino #7, identical with cor. No. 3 Fed No. 21 lode of this survey, hereinafter described.
300.00	Lode line, discovery point bears S. 89° 16' W., 10 ft.; identical with lode line Fed No. 21. Set a redwood post, 4 ins. sq. by 4 ft. long, firmly in the ground, mkd. E.E.C. Fed No. 19, W.E.C. Fed No. 21.
500.00	South right-of-way line Pima Mine road bears N. 89° 16' E.
600.00	Cor. No. 4, identical with cor. No. 4 Fed No. 21 lode of this survey, on N. line sec. 31 and S. line San Xavier Indian Reservation. Set an iron post, 3½ ft. long, 2 ins. diam., 18 ins. in the ground, with leaden cap mkd. 4-F 19, 4 F 21-4427.

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Chains		
	No bearing objects are available.	
120.00	Wash, 4 ft. wide, course NE.	
225.00	Wash, 3 ft. wide, course NE.	
500.00	Wash, 3 ft. wide, course NE.	
780.00	Wash, 33 ft. wide, course NE.	
1,210.00	Wash, 20 ft. wide, course NE.	
1,500.00	Cor. No. 1 and place of beginning.	
	FED NO. 20 LODE	
	At cor. No. 1 of the Fed No. 20 lode, identical with cor. No. 2, Fed. No. 19 lode, heretofore described, from which the cor. to secs. 30, 31, 25 and 36, T. 16 S., Rs. 12 and 13 E., bears N. 0° 44' E., 600 ft. dist.	
	Thence S. 0° 44' W.	
107.00	Wash, 18 ft. wide, course NE.	
300.00	Lode line, bears N. 89° 16' E., 1,490 ft. dist.	
	Set a redwood post, 4 ins. sq. by 4 ft. long, firmly in the ground, mkd. WEC Fed No. 20.	
364.92	Cor. No. 2, identical with cor. No. 1 Kino #6 lode of this survey.	
	Set an iron post, 3½ ft. long, 2 ins. diam., 18 ins. in the ground, with leaden cap mkd. 2F No. 20, 1K #6-4427.	
	Original location monument bears S. 0° 44' W., 235.08 ft.	
	Thence S. 89° 41' E.	
50.00	Wash, 3 ft. wide, course NE.	
1,090.00	Wash, 10 ft. wide, course NE.	
1,499.55	Cor. No. 3, identical with cor. No. 4 Kino #6 lode, on line 2-3 Kino #7 lode of this survey.	
	Original location monument bears S. 0° 44' W., 207.58 ft. dist.	
	Thence N. 0° 44' E.	
92.42	Lode line, discovery point bears S, 89° 16' W., 10 ft. dist. Point falls in shaft.	
97.42	Set a redwood post, 4 ins. sq. by 4 ft. long, firmly in the ground mkd. E.E.C.W.C. Fed No. 20.	
367.42	Wash, 10 ft. wide, course NE.	
392.42	Cor. No. 4, identical with cor. No. 3 Fed No. 19 lode heretofore described.	
	Thence S. 89° 16' W.	
1,390.00	Wash, 18 ft. wide, course northeasterly	

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Chains- Feet		
		Thence S. 89° 16' W.
1,390.00	Wash, 18 ft. wide,* course NE.	
1,500.00	Cor. No. 1 and place of beginning.	
	FED NO. 21 LODE	
	At cor. No. 1 of the Fed No. 21, on line between secs. 30 & 31, T. 16 S., R. 13 E.	
	Set an iron post, 3½ ft. long, 2 ins. diam., 18 ins. in the ground, with leaden cap mkd. 1 Fed No. 21-4427; from which	
	The ¼ sec. cor. bet secs. 30-31, T. 16 S., R. 13 E. bears S. 89° 16' W., 187.91 ft., consisting of an iron pipe 1 in. diam., showing 12 ins. above ground, firmly set and mkd. as described in the official records.	
	No other bearing objects are available.	
	Thence S. 0° 44' W.	
80.00	Wash, 30 ft. wide, course NE.	
100.00	South right-of-way line of Pima Mine Road, bears N. 89° 16' E.	
300.00	Lode line, discovery point bears S. 89° 16' W., 1,490 ft.	
	Set a redwood post, 4 ins. sq., 4 ft. long, firmly in the ground, mkd. E.E.C. F No. 21.	
419.94	Cor. No. 2.	
	Set an iron post, 3½ ft. long, 2 ins. diam., 18 ins. in the ground, with leaden cap mkd. 2 F No. 21-4427.	
	Location monument bears S. 0° 44' W., 180 ft. dist.	
	Thence N. 89° 41' W.	
399.55	Cor. No. 1 Fed No. 22, hereinafter described.	
415.00	Wash, 20 ft. wide, course NE.	
649.55	Lode line Fed No. 22 lode, hereinafter described.	
859.55	Wash, 10 ft. wide, course NE.	
899.55	Cor. No. 1 Kino #7 lode, identical with cor. No. 2 Fed No. 22 lode, hereinafter described.	
1,199.55	Lode line Kino #7, hereinafter described.	
1,209.55	Wash, 10 ft. wide, course NE.	
1,499.55	Cor. No. 3, identical with cor. No. 2 Kino #7 lode, on line 3-4 Fed No. 19 lode of this survey.	
	Set an iron post, 3½ ft. long, 2 ins. diam., 18 ins. in the ground, with leaden cap mkd. 3 F No. 21, 2 K #7-4427.	
	Cor. of location bears S. 0° 44' W., 207.58 ft. dist.	

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Chains Feet	Thence N. 0° 44' E.
92.42	Lode line, discovery point bears N. 89° 16' E., 10 ft. dist., heretofore described.
292.42	South right-of-way line Pima Mine Road bears N. 89° 16' E.
392.42	Cor. No. 4, identical with cor. No. 4 Fed No. 19 lode, heretofore described.
	Thence N. 89° 16' E.
1,312.09	The ½ sec. cor. bet. secs. 30-31, T. 16 S., R. 13 E.
1,500.00	Cor. No. 1 and the place of beginning.
FED NO. 22 LODE	
	At cor. No. 1, Fed No. 22 lode, on line 2-3 Fed No. 21 lode at N. 89° 41' W., 399.55 ft. from cor. No. 2.
	Set an iron post, 3½ ft. long, 2 ins. diam., 18 ins. in the ground, with leaden cap mkd. 1 Fed No. 22.
	From which the N. ½ sec. cor. of sec. 31, T. 16 S., R. 13 E., bears N. 27° 35' 30" E., 468.55 ft. dist.
	No other bearing objects are available.
	Thence N. 89° 41' W.
15.45	Wash, 20 ft. wide, course NE.
250.00	Lode line, discovery point bears S. 0° 44' W., 1,370 ft.
	Set a redwood post, 4 ins. sq., 4 ft. long, firmly in the ground, mkd. N. E. C. F. No. 22.
500.00	Cor. No. 2, identical with cor. No. 1 Kino #7 lode of this survey.
	Set an iron post, 3½ ft. long, 2 ins. diam., 18 ins. in the ground with leaden cap mkd. 2 F No. 22, 1 Kino #7-4427.
	No bearing objects are available.
	Thence S. 0° 44' W.
10.00	Wash, 5 ft. wide, course NE.
400.00	Wash, 20 ft. wide, course NE.
1,185.00	Wash, 30 ft. wide, course NE.
1,220.00	Wash, 20 ft. wide, course NE.
1,500.00	Cor. No. 3, identical with cor. Nos. 2, 3 and 4 Kino #9, Kino #8 and Kino #7 lodes, respectively, of this survey.
	Set an iron post, 3½ ft. long, 2½ ins. diam., 18 ins. in the ground, with leaden cap mkd. 3 Fed No. 22, 2 Kino #9, 3 Kino #8 and 4 Kino #7-4427.

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Chains- Feet	
	Thence S. 89° 41' E.
25.00	Lode line, discovery point bears N. 0° 44' E., 130 ft. dist. Set a redwood post, 4 ins. sq. by 4 ft. long, firmly in the ground, mkd. S E C F 22.
252.00	Wash, 5 ft. wide, course NE.
430.00	Wash, 15 ft. wide, course NE.
500.00	Cor. No. 4 on line 1-2 Kino #9 lode. Set an iron post, 3½ ft. long, 2½ ins. diam., 18 ins. in the ground, with leaden cap mkd. 4 Fed No. 22-4427.
	Thence N. 0° 44' E.
310.00	Enter wash, 100 ft. wide, course NE.
410.00	Leave wash.
760.00	Wash, 30 ft. wide, course NE.
1,085.00	Wash, 7 ft. wide, course NE.
1,500.00	Cor. No. 1 and place of beginning.
	FED NO: 35 LODE
	At cor. No. 1 Fed No. 35 lode Set an iron post, 3½ ft. long, 2 ins. diam., 18 ins. in the ground, with leaden cap mkd. 1-F No. 35-4427; from which The cor. to Ts. 16 and 17 S., Rs. 12 and 13 E. bears S. 0° 40' 40" W., 1,202:02 ft. dist., consisting of an iron post, 3 ins. diam., 8 ins. above ground, firmly set and mkd. as described in the official record. Cor. No. 2 Sur. No. 4402, Alpha No. 24 lode, Pima Mining Co., claimant, bears S. 89° 41' E., 1.17 ft. dist.
	Thence N. 0° 44' E.
60.00	Lode line, discovery point bears S. 89° 41' E., 1,490 ft. dist. Set a redwood post, 4 ins. sq. by 4 ft. long, firmly in the ground, mkd. WEC F No. 35.
120.00	Cor. No. 2, identical with cor. No. 2 Kino #3 lode of this survey. Set an iron post, 3½ ft. long, 2 ins. diam., flush with the ground on dump, with leaden cap mkd. 2 F No. 35, 2 K #3-4427.
	Thence S. 89° 41' E.
0.58	Intersect the line between secs. 31 and 36; the sec. cor. of secs. 31 and 36 bears N. 0° 42' 30" E., 1324.75 ft. dist.
1,400.00	E. toe of water dump, 30 ft. high, bears N. and S.

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Chains Feet	
1,499.55	Cor. No. 3, identical with cor. No. 3 Kino #3, Cor. No. 2 Kino #13 and cor. No. 2 Kino #16 lodes of this survey. Set an iron post, 3½ ft. long, 2 ins. diam., 18 ins. in the ground, with leaden cap mkd. 3-F No. 35, 3 K #3, 2 K #13 and K #16-4427. No bearing objects are available. Thence S. 0° 44' W.
60.00	Lode line, discovery point bears N. 89° 41' W., 9.55 ft. dist. Set a redwood post, 4 ins. sq. by 4 ft. long, firmly in the ground, mkd. EEC F No. 35.
120.00	Cor. No. 4 on line 1-2 Kino #16 lode of this survey and intersect line 2-3 Sur. No. 4402 Alpha No. 24 lode at N. 89° 41' W., 1.62 ft. from cor. No. 3. Set an iron post, 3½ ft. long, 2 ins. diam., 18 ins. in the ground, with leaden cap mkd. 4 F No. 35-4427. Thence N. 89° 41' W.
90.00	Edge of waste dump, bears N. and S.
1,498.38	Cor. No. 2 Sur. No. 4402, Alpha No. 24 lode.
1,498.92	Intersect the line bet. secs. 31 and 36; the ¼ sec. cor. of secs. 31 and 36 bears N. 0° 42' 40" E., 1444.75 ft. dist.
1,499.55	Cor. No. 1 and place of beginning.
KINO #3 LODE	
	Beginning at cor. No. 1 Kino #3, identical with cor. No. 2 Kino #4 lode of this survey. Set an iron post, 3½ ft. long, 2 ins. diam., 18 ins. in the ground, with leaden cap mkd. 1 K #3, 2 K #4-4427; from which The ¼ sec. cor. bet. secs. 31 and 36, T. 16 S., Rs. 12 and 13 E., bears N. 0° 44' E., 724.75 ft. dist. No other bearing objects are available. Thence S. 0° 44' W.
32.00	Toe of dump, 30 ft. high, bears E. and W.
300.00	Lode line, discovery point bears S. 89° 41' E., 299.55 ft. dist. Set a redwood post, 4 ins. sq. by 4 ft. long, firmly in the ground, mkd. WEC K #3.
600.00	Cor. No. 2, identical with cor. No. 2 Fed No. 35 lode of this survey heretofore described. Thence S. 89° 41' E.
0.58	Intersect the line bet. secs. 31 and 36; the ¼ sec. cor. of secs. 31 and 36 bears N. 0° 42' 30" E., 1324.75 ft. dist.
1,400.00	Toe of waste dump, 30 ft. high, bears N. and S.
1,499.55	Cor. No. 3, identical with cor. No. 3 Fed No. 35, and Cor. No. 2 Kino #13 and #16 lodes of this survey, heretofore described.

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Chains Feet	Thence N. 0° 44' E.
300.00	Lode line, discovery point bears N. 89° 41' W., 1,200 ft. dist., identical with lode line Kino #13 lode of this survey. Set a redwood post, 4 ins. sq. by 4 ft. long, firmly in the ground, mkd. E.E.C. K #3, W.E.C. K #13.
310.00	Wash, 5 ft. wide, course NE.
400.00	Wash, 5 ft. wide, course NE.
600.00	Cor. No. 4, identical with cor. No. 3, Kino #4, cor. No. 1 Kino #8 and #13 lodes of this survey. Set an iron post, 3½ ft. long, 2 ins. diam., 18 ins. in the ground with leaden cap mkd. 4 K #3, 3 K #4, 1 K #8, 1 K #13-4427. No bearing objects are available.
	Thence N. 89° 41' W.
179.55	Wash, 5 ft. wide, course SE. and W.
1,499.23	Intersect the line between sections 31 and 36; the ¼ sec. cor. of secs. 31 and 36 bears N. 0° 42' 30" E., 724.75 ft. dist.
1,499.55	Cor. No. 1 and place of beginning.
KINO #4 LODE	
	Beginning at cor. No. 1 Kino #4 lode, identical with cor. No. 1 Kino #5 lode of this survey.
	Not set. Cor. falls in wash (not suitable for permanent cor. Witness cor. bears S. 0° 44' W., 50 ft. dist.
	From point of true cor. ¼ sec. cor. between secs. 31 and 36, T. 16 S., Rs. 12 and 13 E., bears N. 0° 44' E., 124.75 ft. dist.
	Thence S. 0° 44' W.
.49.00	S. bank of wash, 74 ft. wide, course NE.
50.00	Witness cor. to cor. No. 1 Kino #4 and Kino #5 lodes of this survey. Set an iron post, 3½ ft. long, 2 ins. diam., 18 ins. in the ground with leaden cap mkd. 1 K #4, 1 K #5-4427.
70.00	Wash, 10 ft. wide, course NE.
300.00	Lode line, discovery point bears S. 89° 41' E., 299.55 ft. dist.
	Set a redwood post, 4 ins. sq. by 4 ft. long, firmly in the ground, mkd. W.E.C. K #4.
600.00	Cor. No. 2, identical with cor. No. 1, Kino #3 lode of this survey, heretofore described.
	Thence S. 89° 41' E.
0.32	Intersect the line between secs. 31 and 36; the ¼ sec. cor. of secs. 31 and 36 bears N. 0° 42' 30" E., 724.75 ft. dist.
1,320.00	Wash, 5 ft. wide, course SE. and W.
1,499.55	Cor. No. 3, identical with cor. No. 4 Kino #3, cor. No. 1 Kino #8, and cor. No. 1 Kino #13 lodes of this survey, heretofore described.

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Chains Feet	Thence N. 0° 44' E.
300.00	Lode line, discovery point bears N. 89° 41' W., 1,200. ft. dist. Set a redwood post, 4 ins. sq. by 4 ft. long, firmly in the ground mkd. EEC K #4.
520.00	Wash, 5 ft. wide, course NE.
600.00	Cor. No. 4, identical with cor. No. 4 Kino #5, on line 4-1 Kino #8 lode of this survey. Set an iron post, 3½ ft. long, 2 ins. diam., 18 ins. in the ground with leaden cap mkd. 4 K #4, 4 K #5-4427.
	No bearing objects are available. Thence N. 89° 41' W.
1,360.00	Wash, 74 ft. wide, course NE.
1,499.50	Intersect the line between secs. 31 and 36; the ¼ sec. cor. of secs. 31 and 36 bears N. 0° 42' 30" E., 124.75 ft. dist.
1,499.55	Cor. No. 1 and place of beginning.
	KINO #5 LODE
	Beginning at cor. No. 1, identical with cor. No. 1 Kino #4, heretofore described.
	Not set. Witness cor. bears S. 0° 44' W., 50 ft. dist., previously described. From true corner point the ¼ sec. cor. bet. secs. 31-36, T. 16 S., Rs. 12 and 13 E., bears N. 0° 44' E., 124.75 ft. dist. Thence N. 0° 44' E.
25.00	Wash, 74 ft. wide, course NE.
124.75	The ¼ sec. cor. bet. secs. 31-36, T. 16 S., Rs. 12 and 13 E.
300.00	Lode line, discovery point bears S. 89° 41' E., 299.55 ft. dist. Set a redwood post, 4 ins. sq. by 4 ft. long, firmly in the ground, mkd. N.E.C. K #5.
600.00	Cor. No. 2, identical with cor. No. 1 Golden West No. 7 lode of this survey, heretofore described. Thence S. 89° 41' E.
909.55	Wash, 10 ft. wide, course NE.
1,049.55	Wash, 10 ft. wide, course NE.
1,329.55	Wash, 5 ft. wide, course NE.
1,499.55	Cor. No. 3, identical with cor. No. 4, Golden West No. 7 lode of this survey, heretofore described, on line 4-1 Kino #8 lode of this survey. Thence S. 0° 44' W.
1,605.00	Wash, 10 ft. wide, course NE.
300.00	Lode line, discovery point bears N. 89° 41' W., 1,200 ft. dist.

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Chains Feet	
	Set a redwood post, 4 ins. sq. by 4 ft. long, firmly in the ground, mkd. E.E.C. K #5.
470.00	Wash, 10 ft. wide, course NE.
600.00	Cor. No. 4, identical with cor. No. 4 Kino #4 lode, on line 4-1 Kino #8 lode of this survey, heretofore described.
	Thence N. 89° 41' W.
1,360.00	S. bank of wash, 74 ft. wide, course NE.
1,499.50	Intersect the line between secs. 31 and 36; the $\frac{1}{2}$ sec. cor. of secs. 31 and 36 bears N. 0° 42' 30" E. 124.75 ft. dist.
1,499.55	
1,499.55	Cor. No. 1 and place of beginning.
KINO #6 LODE	
	Beginning at cor. No. 1, Kino #6 lode, identical with cor. No. 2 Fed No. 20 lode, heretofore described; from which
	The cor. to secs. 30, 31, 25 and 36, T. 16 S., Rs. 12 and 13 E., bears N. 0° 44' E., 964.92 ft. dist.
	Thence S. 0° 44' W.
300.00	Lode line, discovery point bears S. 89° 41' E., 299.55 ft. dist.
	Set a redwood post, 4 ins. sq. by 4 ft. long, firmly in the ground, mkd. W.E.C. K #6.
600.00	Cor. No. 2, identical with cor. No. 2 Golden West No. 7 lode of this survey, heretofore described.
	Thence S. 89° 41' E.
520.00	Wash, 10 ft. wide, course NE.
1,475.00	Wash, 4 ft. wide, course NE.
1,499.55	Cor. No. 3, identical with cor. No. 3 Golden West No. 7 lode of this survey, heretofore described.
	Thence N. 0° 44' E.
10.00	Wash, 4 ft. wide, course NE.
300.00	Lode line, discovery point bears N. 89° 41' W., 1,200 ft. dist.
	Set a redwood post, 4 ins. sq. by 4 ft. long, firmly in the ground mkd. E.E.C. K #6.
330.00	Wash, 4 ft. wide, course NE.
600.00	Cor. No. 4, identical with cor. No. 3, Fed No. 20 lode on line 2-3 Kino #7 lode of this survey, heretofore described.
	Thence N. 89° 41' W.
409.55	Wash, 10 ft. wide, course NE.

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Chains- Feet	
1,449.55	Wash, 3 ft. wide, course NE.
1,499.55	Cor. No. 1 and place of beginning.
KINO #7 LODE	
	At cor. No. 1 Kino #7 lode, identical with cor. No. 2 Fed No. 22 lode, on line 2-3 Fed No. 21 lode; both of this survey, heretofore described; from which
	The $\frac{1}{2}$ sec. cor. bet. secs. 30*31, T. 16 S., R. 13 E., bears N. 60° 05' 18" E., 827.2 ft. dist.
	Thence N. 89° 41' W.
300.00	Lode line, discovery point bears S. 0° 44' W., 1,200 ft. dist. Set a redwood post, 4 ins. sq. by 4 ft. long, firmly in the ground, mkd. N.E.C. K #7.
310.00	Wash, 10 ft. wide, course NE.
600.00	Cor. No. 2, identical with cor. No. 3 Fed No. 21 lode, on line 3-4 Fed No. 19 lode; both of this survey, heretofore described.
	Thence S. 0° 44' W.
207.58	Cor. Nos. 3 and 4 Fed Nos. 19 and 20 lodes, respectively, of this survey, heretofore described
232.58	Wash, 10 ft. wide, course NE.
502.58	Witness cor. to east end center Fed No. 20 of this survey.
507.58	East end center Fed No. 20 lode of this survey.
600.00	Cor. Nos. 3 and 4 Fed No. 20 and Kino #6 lodes, both of this survey.
857.50	Original location monument Fed No. 20
870.00	Wash, 4 ft. wide, course NE.
900.00	East end center, Kino #6 lode of this survey.
1,190.00	Wash, 4 ft. wide, course NE.
1,200.00	Cors. Nos. 3, Kino #6 and Golden West No. 7 lodes of this survey.
1,410.00	Wash, 10 ft. wide, course NE.
1,500.00	To cor. No. 3, identical with cor. No. 4 Kino #8, and east end center Golden West No. 7 lodes of this survey, heretofore described. Thence S. 89° 41' E.
300.00	Lode line, discovery point bears N. 0° 44' E., 300 ft. dist., identical with lode line Kino #8 of this survey. Set a redwood post, 4 ins. sq. by 4 ft. long, firmly in the ground, mkd. S.E.C. Kino #7 and N.E.C. Kino #8.

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310.00	Wash, 14 ft. wide, course NE.	300.00
600.00	Cor. No. 4, identical with cors. Nos. 3, 2 and 3, Fed No. 22, Kino #9 and Kino #8 lodes, respectively, of this survey, heretofore described. Thence N. 0° 44' E.	
280.00	Wash, 14 ft. wide, course NE.	150.00
315.00	Wash, 30 ft. wide, course NE.	150.00
1,100.00	Wash, 20 ft. wide, course NE.	300.00
1,490.00	Wash, 4 ft. wide, course NE.	
1,500.00	Cor. No. 1 and place of beginning.	405.00
KINO #8-LODE		
	At cor. No. 1 of the Kino #8 lode, identical with cors. Nos. 3, 4 and 1, Kino #4, Kino #3 and Kino #13 lodes, respectively, of this survey, heretofore described; from which The 1/2 sec. cor. between secs. 31 and 36, T. 16° S., Rs. 12 and 13 E. bears N. 63° 48' 34" W., 1,660.77 ft. dist. No other bearing objects are available. Thence S. 89° 41' E.	
300.00	Lode line, discovery point bears N. 0° 44' E., 300 ft. dist. Set a redwood post, 4 ins. sq. by 4 ft. long, firmly in the ground mkd. S.E.C. K #8.	
340.00	Wash, 15 ft. wide, course NE.	
600.00	Cor. No. 2, identical with cor. No. 3 Kino #9 lode on line 4-1 Kino #13 lode, both of this survey. Set an iron post, 3 1/2 ft. long, 2 ins. diam., 18 ins. in the ground, with leaden cap mkd. 2 K #8, 3 K #9-4427. Thence N. 0° 44' E.	100.00
70.0	Wash, 15 ft. wide, course E.	170.00
1,340.00	Wash, 15 ft. wide, course NE.	300.00
1,410.00	Wash, 5 ft. wide, course NE.	
1,500.00	Cor. No. 3, identical with cors. Nos. 4, 3 and 2, Kino #7, Fed No. 22 and Kino #9 lodes, all of this survey, heretofore described. Thence N. 89° 41' W.	310.00
290.00	Wash, 14 ft. wide, course NE.	100.00

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GRADES Feet	
300.00	Lode line, discovery point bears S. 0° 44' W., 1,200 ft., identical with lode line Kino #7 lode, heretofore described.
600.00	Cor. No. 4, identical with cor. No. 3, Kino #7 lode and E.E.C. Golden West No. 7 lode, heretofore described. Thence S. 0° 44' W.
130.00	Wash, 14 ft. wide, course NE.
260.00	Wash, 5 ft. wide, course NE.
300.00	Cor. No. 4 Golden West No. 7, identical with cor. No. 3 Kino #5 lode of this survey, heretofore described.
405.00	Wash, 10 ft. wide, course NE.
600.00	East end center Kino #5 lode of this survey, heretofore described.
770.00	Wash, 10 ft. wide, course NE.
900.00	Cor. Nos. 4, Kino # 4 and #5 lodes of this survey heretofore described.
980.00	Wash, 5 ft. wide, course NE.
1,200.00	East end center Kino #4 lode of this survey, heretofore described.
1,500.00	Cor. No. 1 and place of beginning.
	KINO #9 LODE
	At cor. No. 1 of Kino #9 lode. Set an iron post, 3½ ft. long, 2 ins. diam., 18 ins. in the ground, with leaden cap, mkd. 1 K #9-4427; from which The ¼ sec. cor. between secs. 30 and 31, T. 16 S., R. 13 E., bears N. 4° 02' 14" E., 1,920.43 ft. dist. No other bearing objects are available. Thence N. 89° 41' W.
100.00	Cor. No. 4 Fed No. 22 lode, heretofore described.
170.00	Wash, 15 ft. wide, course N.
300.00	Lode line, discovery point bears S. 0° 44' W., 1,200 ft. dist. Set a redwood post, 4 ins. sq. by 4 ft. long, firmly in the ground, mkd. N.E.C. Kino #9.
348.00	Wash, 5 ft. wide, course NE.
350.00	South end center Fed No. 22 lode, heretofore described.
600.00	Cor. No. 2, identical with cors. Nos. 3, 4, and 3 Fed No. 22, Kino #7 and Kino #8 lodes of this survey, heretofore described. Thence S. 0° 44' W.
90.00	Wash, 5 ft. wide, course NE.
160.00	

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Chains- Feet	
160.00	Wash, 5 ft. wide, course NE.
1,430.00	Wash, 15 ft. wide, course E.
1,500.00	Cor. No. 3, identical with cor. No. 2 Kino #8 lode on line 4-1 Kino #13 lode, all of this survey, heretofore described. Thence S. 89° 41' E.
300.00	Lode line, discovery point bears N. 0° 44' E., 300 ft. dist. Set a redwood post, 4 ins. sq. by 4 ft. long, firmly in the ground, mkd. S.E.C. Kino #9.
600.00	Cor. No. 4 on line 4-1 Kino #13 lode of this survey. Set an iron post, 3½ ft. long, 2 ins. diam., 18 ins. in the ground, with leaden cap mkd. 4 K #9°4427. No bearing objects are available. Thence N. 0° 44' E.
115.00	Wash, 15 ft. wide, course E.
930.00	Wash, 10 ft. wide, course NE.
1,500.00	Cor. No. 1 and place of beginning.
KINO #13 LODE	
	At cor. No. 1 Kino #13 lode, identical with cors. Nos. 1, 3 and 4, Kino #8, Kino #4 and Kino #3 lodes, respectively, of this survey, heretofore described; from which The ¼ sec. cor. between secs. 31 and 36, T. 16 S., Rs. 12 and 13 E., bears N: 63° 48' 34" W., 1,660.77 ft. dist. Thence S. 0° 44' W.
200.00	Wash, 5 ft. wide, course SE.
290.00	Wash, 10 ft. wide, course NE.
300.00	Lode line, discovery point bears S. 89° 41' E., 300 ft. dist., identical with lode line Kino #3 lode of this survey, heretofore described.
600.00	Cor. No. 2, identical with cors. Nos. 3, 3, and 2, Kino #3, Fed No. 35 and Kino #16 lodes all of this survey, heretofore described. Thence S. 89° 41' E.
1,500.00	Cor. No. 3, identical with cors. Nos. 3 and 3 Kino #16 and Kino #17 lodes of this survey. Set an iron post, 3½ ft., long, 2 ins. diam., 18 ins. in the ground, with leaden cap mkd. 3 K #13, 3 Kino #16, 4 Kino #17-4427. No bearing objects are available.

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Chains- Feet	
	Thence N. 0° 44' E.
300.00	Lode line, discovery point bears N. 89° 41' W., 1,200 ft. dist. Set a redwood post, 4 ins. sq. by 4 ft. long, firmly in the ground, mkd. E.E.C. K #13.
600.00	Cor. No. 4. Set an iron post, 3½ ft. long, 2 ins. diam., 18 ins. in the ground, with leaden cap mkd. 4 K #13-4427. No bearing objects are available.
	Thence N. 89° 41' W.
300.00	Cor. No. 4 Kino #9 lode of this survey, heretofore described.
600.00	Lode line, Kino #9 lode of this survey, heretofore described.
900.00	Cors. Nos. 2 and 3, Kino #8 and Kino #9 lodes of this survey, heretofore described.
1,160.00	Wash, 15 ft. wide, course NE.
1,200.00	Lode line Kino #8 lode of this survey, heretofore described.
1,500.00	Cor. No. 1 and place of beginning.
	KINO #16 LODE
	At cor. No. 1 of Kino #16 lode Set an iron post, 3½ ft. long, 2 ins. diam., 18 ins. in the ground, with leaden cap mkd. 1 K #16; from which The Ts. cor. to Ts, 16 and 17 S., Rs. 12 and 13 E., bears S. 64° 43' 46" W., 1,667.12 ft. dist.; consisting of iron post, 3 ins. diam. 18 ins. above ground, firmly set and mkd. as described in the official record. Cors. Nos. 4, 3 and 2 Sur. No. 4402, Alpha Nos. 24, 25 and 28 lodes, respectively, bears S. 0° 02' 17" E., 120 ft. dist.
	Thence N. 0° 44' E.
300.00	Lode line, discovery point bears S. 89° 41' E., 300 ft. dist. Set a redwood post, 4 ins. sq. by 4 ft. long, firmly in the ground, mkd. W.E.C. K #16.
480.00	Cor. No. 4, Fed No. 35 lode of this survey, on line 2-3 Sur. No. 4402 Alpha No. 24 lode, at a point from which cor. No. 3 bears S. 89° 41' E., 1.62 ft. dist.
540.00	Lode line Fed No. 35 lode of this survey, heretofore described.
600.00	Cor. No. 2, identical with cors. Nos. 2 Kino #13, 3 Kino #3 and 3 Fed No. 35 lodes of this survey, heretofore described.
	Thence S. 89° 41' E.
1,500.00	Cor. No. 3, identical with cors. Nos. 3 and 3 Kino #13 and Kino #17 lodes of this survey, heretofore described.
	Thence S. 0° 44' W.
300.00	

Mineral Survey No. 4427

Chains Feet	
	Thence S. 0° 44' W.
300.00	Lode line, discovery point bears N. 89° 41' W., 1,200 ft. dist., identical with lode line Kino #17 lode of this survey. Set a redwood post, 4 ins. sq. by 4 ft. long, firmly in the ground, mkd. E.E.C. K #16, W.E.C. K #17.
600.00	Cor. No. 4, identical with cor. No. 4 Kino #17 lode of this survey. Set an iron post, 3½ ft. long, 2 ins. diam., 18 ins. in the ground, with leaden cap mkd. 4 K #16, 3 K #17-4427.
	Thence N. 89° 41' W.
1,498.38	Intersect line 3-4, Survey No. 4402, Alpha No. 24 lode, at a point from which cor. No. 3 bears N. 0° 44' E., 480.0 ft. dist.
1,500.00	Cor. No. 1 and place of beginning.
	KINO #17 LODE
	At cor. No. 1 of the Kino #17 lode Set an iron post, 3½ ft. long, 2 ins. diam., 18 ins. in the ground, with leaden cap mkd. 1 K #17-4427; from which The cor. to secs. 5, 6, 31 and 32, Ts. 16 and 17 S., R. 13 E., bears S. 46° 55' 24" E., 960.76 ft.; consisting of steel pin set one ft. below surface of ground in center of road, with 4 reference points. (Reestablished by Pima County Highway Department). No other bearing objects are available.
	Thence N. 0° 44' E.
300.00	Lode line, discovery point bears N. 89° 41' W., 1,200 ft. dist. Set a redwood post, 4 ins. sq. by 4 ft. long, firmly in the ground, mkd. E.E.C. K #17.
600.00	Cor. No. 2. Set an iron post, 3½ ft. long, 2 ins. diam., 18 ins. in the ground, with leaden cap mkd. 2 K #17-4427. No bearing objects are available.
	Thence N. 89° 41' W.
1,500.00	Cor. No. 3, identical with cors. Nos. 3 Kino #13 and Kino #16 lodes, both of this survey, heretofore described. Thence S. 0° 44' W.
300.00	Lode line, discovery point bears S. 89° 41' E., 300 ft. dist., heretofore described.
600.00	Cor. No. 4, identical with cor. No. 4 Kino #16 lode of this survey, heretofore described.
	Thence S. 89° 41' E.
1,500.00	Cor. No. 1 and place of beginning.

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Chains	AREAS	ACRES
	Total area, Golden West No 7 lode	20.654
	Total area, Fed No. 19 lode	20.654
	Total area, Fed No. 20 lode	13.035
	Total area, Fed No. 21 lode	13.983
	Total area, Fed No. 22 lode	17.218
	Total area, Fed No. 35 lode	4.132
	Area in conflict with sec. 36, T.16S., R12E.	0.002
	Total area, Kino #3 lode	20.654
	Area in conflict with sec. 36, T16S, R12E	0.006
	Total area, Kino #4 lode	20.654
	Area in conflict with sec. 36, T16S, R12E	0.003
	Total area, Kino #5 lode	20.654
	Area in conflict with sec. 36, T16S, R12E	0.000
	Total area, Kino #6 lode	20.654
	Total area, Kino #7 lode	20.661
	Total area, Kino #8 lode	20.661
	Total area, Kino #9 lode	20.661
	Total area, Kino #13 lode	20.661
	Total area, Kino #16 lode	20.661
	Area in conflict with Survey No. 4402	
	Alpha No. 24 lode	0.013
	Total area, Kino #17 lode	20.661
<u>LOCATION</u>		
<p>This survey is located sec. 31, T. 16 S., R. 13 E. and sec. 36, T. 16 S., R. 12 E., Gila and Salt River Meridian, Arizona.</p>		
<p>This survey is identical with the respective locations and amended locations as marked on the ground, with the exception of the Fed No. 20 lode of which cors. Nos 2 and 3 differ to the extent previously shown.</p>		

Mineral Survey No. 4427

Chains

EXPENDITURES

The improvements and the value of the labor and improvements made upon or for the benefit of each of the lode locations embraced in said mining claim by the claimant or its ground, are as follows:

- No. 1 The discovery point of the Golden West No. 7 lode is on the center line 299.55 ft. from the center of line 1-2; a monument of stone on outcrop. No value.
- No. 2 A shaft, the center of which bears from No. 1 Golden West No. 7, N. 38° E., 485 ft., 8 x 15 ft., 15 ft. deep. Value \$200
- No. 3 A Drill hole, the center of which bears from cor. No. 1 Golden West No. 7 lode, N. 76° 24' E., 467 ft. dist., 4½ ins. in diam., 554.2 ft. deep. Value \$3,663.43
- No. 4 A diamond drill hole, the center of which bears from cor. No. 1 Golden West No. 7, N. 65° 59' E., 315 ft., 4½ ins. diam., 432.2 ft. deep. Value \$2,262.20
- No. 5 A diamond drill hole, the center of which bears from cor. No. 1 Golden West No. 7 lode, N. 80° 34' E., 745 ft. dist., 4½ ins. diam., 527 ft. deep. Value \$3,704.61
- No. 6 A diamond drill hole, the center of which bears from cor. No. 4 Golden West No. 7 lode, N. 62° 06' W., 305 ft. dist., 4½ ins. diam., 634 ft. deep. Value \$4,460.60
- No. 7 A diamond drill hole, the center of which bears from cor. No. 4 Golden West No. 7 lode, N. 75° 0' W., 530 ft. dist., 4½ ins. diam., 505.3 ft. deep. Value \$3,366.02
- No. 8 A diamond drill hole, the center of which bears from cor. No. 3 Golden West No. 7 lode, S. 60° 29' W., 318 ft. dist., 4½ ins. diam., 547.6 ft. deep. Value \$4,135.19
- No. 9 A diamond drill hole, the center of which bears from cor. No. 3 Golden West No. 7 lode, S. 77° 24' W., 565 ft. dist., 4½ ins. diam., 602.6 ft. deep. Value \$4,041.64
- No. 10 A diamond drill hole, the center of which bears from cor. No. 2, Golden West No. 7 lode, S. 70° 26' E., 500 ft. dist., 4½ ins. diam., 511.7 ft. deep. Value \$3,330.92
- No. 1 The discovery point of the Fed No. 19 lode is on the center line, 10 ft. from the center of line 3-4. A mound of stone on outcrop. No value

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Chains	
No. 2	A shaft on the center line of Fed No. 19, 20 ft. from the center of line 3-4, 18 x 7 ft., 8 ft. deep. Value \$200
No. 3	A diamond drill hole, which bears from cor. No. 1 Fed No. 19 lode, S. 41° 26' E., 310 ft. dist., 4½ ins. diam., 739.9 ft. deep. Value \$5,427.06
No. 4	A diamond drill hole, which bears from cor. No. 1 Fed No. 19 lode, S. 71° 36' E., 735 ft. dist., 4½ ins. diam., 810.5 ft. deep. Value \$8,044.60
No. 1	The discovery shaft of the Fed No. 20 lode is on the lode line, 10 ft. from a point on line 3-4, 92.42 ft. from cor. No. 3, 4 x 6 ft., 8 ft. deep. Value \$100
No. 2	A diamond drill hole, which bears from cor. No. 1 Fed No. 20 lode, S. 72° 31' E., 750 ft. dist., 4½ ins. diam., 425 ft. deep. Value \$2,932
No. 1	The discovery point of the Fed No. 21 lode is on the lode line, 10 ft. from a point on line 3-4, 92.42 ft. from cor. No. 3. A mound of stone on outcrop. No value.
No. 2	A shaft on the lode line of Fed No. 21 lode, 20 ft. from a point on line 3-4, 92.42 ft. from cor. No. 3, 18 x 7 x 8 ft. deep. Value \$200
No. 3	A diamond drill hole, which bears from cor. No. 3 Fed No. 21 lode, N. 58° E., 250 ft. dist., 4½ ins. diam., 785 ft. deep. Value \$5,747
No. 1	The discovery point of the Fed No. 22 lode is on center line 130 ft. from the center of line 3-4. A mound of stone on outcrop. No value.
No. 2	A shaft the center of which bears from cor. No. 3 Fed No. 22 lode N. 47° 30' E., 390 ft. dist., 10 x 20 x 5 ft. (caved). Value \$200
No. 3	A diamond drill hole, which bears from cor. No. 3 Fed No. 22 lode, N. 71° 10' E., 400 ft. dist., 4½ ins. diam., 643.7 ft. deep. Value \$4,878
No. 1	The discovery point of the Fed No. 35 lode is on the center line, 10 ft. from the center of line 3-4, 4 x 6 ft., 8 ft. deep. No value.
No. 2	A diamond drill hole, which bears from cor. No. 4 Fed No. 35 lode, N. 52° W., 50 ft., 4½ ins. diam., 461.4 ft. deep. Value \$3,116.70

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Chains	
No. 1	The discovery shaft of the Kino #3 lode is in the center line 300 ft. from the center of line 1-2, 4 x 6 ft., 8 ft. deep. Value \$100
No. 2	A diamond drill hole, which bears from cor. No. 1, Kino #3 lode, S. 43° 10' E., 410 ft. dist., 4½ ins. diam., 247 ft. deep. Value \$647.68
No. 3	A diamond drill hole, which bears from cor. No. 1 Kino #3 lode, S 54° 30' E., 140 ft. dist., 4½ ins. diam., 729.8 ft. deep. Value \$5,340.40
No. 4	A diamond drill hole which bears from cor. No. 3 Kino #3 lode, N. 69° 45' W., 730 ft. dist., 4½ ins. diam., 885.5 ft. deep. Value \$6,509
No. 1	The discovery point of the Kino #4 lode is on the center line 300 ft. from the center of line 1-2; a mound of stone on outcrop. No value.
No. 2	A shaft, the center of which bears from cor. No. 2 Kino #4 lode, N. 52° 34' E., 335 ft. dist., 20 x 8 ft. deep (caved). Value \$200
No. 3	A diamond drill hole which bears from cor. No. 2 Kino #4 lode, N. 22° 59' E., 265 ft. dist., 4½ ins. diam., 564 ft. deep. Value \$3,357.56.
No. 4	A diamond drill hole which bears from cor. No. 2 Kino #4 lode, N. 61° 34' E., 280 ft. dist., 4½ ins. diam., 608 ft. deep. Value \$4,086.40
No. 5	A diamond drill hole which bears from cor. No. 2 Kino #4 lode, N. 74° 44' E., 510 ft. dist., 4½ ins. diam., 657.2 ft. deep. Value \$4,702.10
No. 6	A diamond drill hole which bears from cor. No. 3 Kino #4 lode, N. 78° W., 762 ft. dist., 4½ ins. diam., 703 ft. deep. Value \$5,057.26
No. 7	A diamond drill hole which bears from cor. No. 3 Kino #4 lode, N. 74° 10' W., 520 ft. dist., 4½ ins. diam., 832.8 ft. deep. Value \$6,910.40
No. 8	A diamond drill hole which bears from cor. No. 3 Kino #4 lode, N. 58° 40' W., 270 ft. dist., 4½ ins. diam., 953 ft. deep. Value \$7,668.63
No. 9	A shaft the center of which bears from cor. No. 4 Kino #4 lode, S. 59° W., 300 ft. dist., 20 x 20 ft., 4 ft. deep (caved). Value \$200
No. 10	A diamond drill hole which bears from cor. No. 4 Kino #4 lode, S. 72° 30' W., 530 ft. dist., 4½ ins. diam., 812.3 ft. deep. Value \$6,154.67

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Chains	
No. 11	A diamond drill hole which bears from cor. No. 1 Kino #4 lode, S. 70° 56' E., 520 ft. dist., 4½ ins. diam., 520 ft. deep. Value \$3,363.59
No. 12	A diamond drill hole, which bears from cor. No. 1 Kino #4 lode; S 54° 06' E., 295 ft. dist., 4½ ins. diam., 515.1 ft. deep. Value 3,530.67
No. 13	A diamond drill hole which bears from cor. No. 1 Kino #4 lode, S. 51° 56' E., 120 ft. dist., 4½ ins. diam., 693.3 ft. deep. Value \$5,255.87
No. 1	The discovery point of the Kino #5 lode is on the center line 299.55 ft. from the center of line 1-2. A mound of stone on outcrop. No value
No. 2	A shaft, the center of which bears from cor. No. 1 Kino #5 lode, N. 52° 0' E., 320 ft. dist., 30 x 8 ft., 4 ft. deep (caved). Value \$200
No. 3	A diamond drill hole which bears from cor. No. 1 Kino #5 lode, N. 60° 15' E., 275 ft. dist., 4½ ins. diam., 378.2 ft. deep. Value \$2,391.49
No. 4	A diamond drill hole which bears from cor. No. 1, Kino #5 lode; N. 74° 20' E., 510 ft. dist., 4½ ins. diam., 484.5 ft. deep. Value \$3,020.35
No. 5	A diamond drill hole which bears from cor. No. 1 Kino #5 lode, N. 78° E., 760 ft. dist., 4½ ins. diam., 587.6 ft. deep. Value \$4,388.42
No. 6	A diamond drill hole which bears from cor. No. 4 Kino #5 lode, N. 73° W., 500 ft. dist., 4½ ins. diam., 657.6 ft. deep. Value \$5,100.74
No. 7	A diamond drill hole which bears from cor. No. 4 Kino #5 lode N. 56° 30' W., 300 ft. dist., 4½ ins. diam., 599.6 ft. deep. Value \$4,225.97
No. 8	A diamond drill hole which bears from cor. No. 3 Kino #5 lode, S. 57° 46' W., 318 ft. dist., 4½ ins. diam., 638.6 ft. deep. Value \$4,926.50
No. 9	A diamond drill hole which bears from cor. No. 3 Kino #5 lode, S. 64° 30' W., 570 ft. dist., 4½ ins. diam., 824.9 ft. deep. Value \$6,503.35
No. 10	A diamond drill hole which bears from cor. No. 2 Kino #5 lode, S. 76° 45' E., 760 ft. dist., 4½ ins. diam., 555.6 ft. deep. Value \$3,769.78
No. 11	A diamond drill hole which bears from cor. No. 2 Kino #5 lode, S. 70° 10' E., 505 ft. dist., 4½ ins. diam., 446.5 ft. deep. Value \$2,844.05
No. 12	A diamond drill hole which bears from cor. No. 2, Kino #5 lode, S 54° 20' E., 280 ft. dist., 4½ ins. diam., 385.7 ft. deep. Value \$2,243.69

Mineral Survey No. 4427

Chains	
No. 1	The discovery point of the Kino #6 is on the center line 299.55 ft. from the center of line 1-2. A mound of stone on outcrop. No value
No. 2	A shaft, the center of which bears from cor. No. 2 Kino #6 lode, N. 58° E., 335 ft. dist., 25 x 10 ft., 4 ft. deep (caved). Value \$100
No. 3	A diamond drill hole which bears from cor. No. 2 Kino #6 lode, N. 81° E., 570 ft. dist., 4½ ins. diam., 535 ft. deep. Value \$3,278.40
No. 4	A diamond drill hole which bears from cor. No. 3 Kino #6 lode, N. 74° 46' W., 542 ft. dist., 4½ ins. diam., 439.8 ft. deep. Value \$2,825.17
No. 5	A diamond drill hole which bears from cor. No. 3 Kino #6 lode, N. 63° 30' W., 310 ft. dist., 4½ ins. diam., 518 ft. deep. Value \$3,299.72
No. 6	A shaft, the center of which bears from cor. No. 1 Kino #6 lode, S. 75° 45' E., 770 ft. dist., 20 x 20 ft., 4 ft. deep (caved). Value \$200
No. 1	The discovery point of the Kino #7 lode is on the center line, 300 ft. from the center of line 3-4. A mound of stone on outcrop. No value
No. 2	A shaft, the center of which bears from cor. No. 4 Kino #7 lode, N. 42° 65' W., 235 ft. dist., 7 x 20 ft., x 4 ft. deep (caved). Value \$100
No. 3	A diamond drill hole which bears from cor. No. 3 Kino #7 lode, N. 58° 30' E., 280 ft. dist., 4½ ins. diam., 539.1 ft. deep. Value \$3,662.89
No. 4	A diamond drill hole which bears from cor. No. 2 Kino #7 lode, S. 58° 40' E., 330 ft. dist., 4½ ins. diam., 225.5 ft. deep. Value \$591.30
No. 1	The discovery point of the Kino #8 lode is on the center line 300 ft. from the center of line 3-4. A mound of stone on outcrop. No value.
No. 2	A shaft, the center of which bears from cor. No. 1 Kino #8 lode, N. 60° E., 320 ft. dist., 15 x 6 ft., by 4 ft. deep (caved). Value \$100
No. 3	A diamond drill hole which bears from cor. No. 1 Kino #8 lode, N. 30° E., 510 ft. dist., 4½ ins. diam., 873.6 ft. deep. Value \$6,548.25
No. 4	A diamond drill hole which bears from cor. No. 1 Kino #8 lode, N. 19° 20' E., 785 ft. dist., 4½ ins. diam., 929.5 ft. deep. Value \$7,461.54

Mineral Survey No. 4427

Chains	
No. 5	A diamond drill hole which bears from cor. No. 1 Kino #8 lode, N. 5° 45' E., 585 ft. dist., 4½ ins. diam., 614.9 ft. deep. Value \$4,429.87
No. 6	A diamond drill hole which bears from cor. No. 2 Kino #8 lode, N. 35° 40' W., 180 ft. dist., 4½ ins. diam., 1,026.4 ft. deep. Value \$4,686.82
No. 7	A diamond drill hole which bears from cor. No. 2 Kino #8 lode N. 13° W., 460 ft. dist., 4½ ins. diam., 988.4 ft. deep. Value \$7,992.88
No. 8	A diamond drill hole which bears from cor. No. 2 Kino #8 lode, N. 7° 30' W., 755 ft. dist., 4½ ins. diam., 918 ft. deep. Value \$7,062.08
No. 9	A diamond drill hole which bears from cor. No. 3 Kino #8 lode, S. 14° 50' W., 485 ft. dist., 4½ ins. diam., 588.4 ft. deep. Value \$4,215.42
No. 10	A diamond drill hole which bears from cor. No. 4 Kino #8 lode, S. 4° 20' E., 315 ft. dist., 4½ ins. diam., 743.2 ft. deep. Value \$5,732.74
No. 11	A diamond drill hole which bears from cor. No. 4 Kino #8 lode, S. 3° 40' E., 690 ft. dist., 4½ ins. diam., 597 ft. deep. Value \$3,499.20
No. 12	A diamond drill hole which bears from cor. No. 4 Kino #8 lode, S. 26° 30' E., 520 ft. dist., 4½ ins. diam., 654.4 ft. deep. Value \$7,062.08
No. 13	A diamond drill hole which bears from cor. No. 4 Kino #8 lode, S. 54° 10' E., 290 ft. dist., 4½ ins. diam., 495.6 ft. deep. Value \$3,158.95
No. 1	The discovery point of the Kino #9 is on the center line 300 ft. from the center of line 3-4. A mound of stone on outcrop. No value
No. 2	A shaft on the center line of the Kino #9 lode, 280 ft. from the center of line 3-4, 18 x 15 ft., 8 ft. deep. Value \$200
No. 3	A diamond drill hole which bears from cor. No. 3 Kino #9 lode, N. 18° 10' E., 475 ft. dist., 4½ ins. diam., 845.6 ft. deep. Value \$6,520.47
No. 4	A diamond drill hole which bears from cor. No. 3 Kino #9 lode, N. 11° 15' E., 760 ft. dist., 4½ ins. diam., 803 ft. deep. Value \$6,256.79
No. 5	A diamond drill hole which bears from cor. No. 4 Kino #9 lode, N. 14° 45' W., 780 ft. dist., 4½ ins. diam., 759.3 ft. deep. Value \$6,044.93

Mineral Survey No. 4427

Chains	
No. 6	A shaft, the center of which bears from cor. No. 4 Kino #9 lode, N. 32° 45' W., 420 ft. dist., 20 x 20 ft., 4 ft. deep. Value \$100
No. 1	The discovery point of the Kino #13 is on the center line 300 ft. from the center of line 1-2. A mound of stone on outcrop. No value.
No. 2	A shaft, the center of which bears from cor. No. 2, Kino #13 lode, N. 60° 30' E., 370 ft. dist., 8 x 20 ft., 8 ft. deep. Value \$200
No. 3	A shaft, the center of which bears from cor. No. 1 Kino #13 lode, S. 69° 45' E., 160 ft. dist., 20 x 30 ft., 4 ft. deep. Value \$100
No. 4	A diamond drill hole which bears from cor. No. 1 Kino #13 lode S. 88° 10' E., 510 ft. dist., 4½ ins. diam., 902.5 ft. deep. Value \$7,869.06
No. 5	A diamond drill hole which bears from cor. No. 4 Kino #13 lode, S. 71° W., 665 ft. dist., 4½ ins. diam., 251.5 ft. deep. Value \$659.48
No. 1	The discovery point of the Kino #16 lode is on the center line 300 ft. from the center of line 1-2. A mound of stone on outcrop. No value.
No. 2	A shaft, the center of which bears from cor. No. 1 Kino #16 lode, N. 58° 30' E., 370 ft. dist., 4 x 20 ft. by 8 ft. deep. Value \$200
No. 3	A diamond drill hole which bears from cor. No. 4 Kino #16 lode, N. 78° 30' W., 745 ft. dist., 4½ ins. diam., 1,431 ft. deep. Value \$12,260.57
No. 1	The discovery point of the Kino #17 lode is on the center line 300 ft. from the center of line 3-4. A mound of stone on outcrop. No value
No. 2	A shaft, the center of which bears from cor. No. 3 Kino #17 lode, N. 59° E. 371 ft. dist., 4 x 20 ft. by 8 ft. deep. Value \$200
No. 3	A diamond drill hole which bears from cor. No. 4 Kino #17 lode, S. 63° 30' E., 750 ft. dist., 6 ins. diam., 425.2 ft. deep. Value \$1,726.97
No. 4	A diamond drill hole which bears from cor. No. 4 Kino #17 lode, S. 71° 0' E., 710 ft. dist., 4½ ins. diam., 364.7 ft. deep. Value \$696.98
No. 5	A diamond drill hole which bears from cor. No. 4 Kino #17 lode, S. 79° 30' E., 680 ft. dist., 6 ins. diam., 550.4 ft. deep. Value \$2,738.76
No. 6	A diamond drill hole which bears from cor. No. 4 Kino #17 lode, S. 88° 30' E., 665 ft., 6 ins. diam., 351 ft. deep. Value \$1,068.08

Mineral Survey No. 4427

Chains

OTHER IMPROVEMENTS

NONE

OTHER CORNER DESCRIPTIONS AND SUPPLEMENTAL DATA

The Rhoda and Little Eva, unsurveyed Banner Mining Co. claimants. The southeast corner is identical with northeast corner Little Eva lode and the southeast cor. little Eva lode; both consist of 1 1/2 in. copper pipe set in concrete monument marked with the corners of the claims.

The Golden West Nos. 4, 5, Kino #1 and #2, 10, 14 and 15, Staf. No. 1, Fed Nps. 34, 35 and 24, Mission Nos. 1, 2 and Cobre Hondo No. 2 all consist of 4 x 4 posts.

Survey No. 4402, Alpha No. 24 and 28, Pima Mining Co., consist of 3/4 in. capped pipe set in concrete monuments, marked as described in the official record of Survey No. 4402.

ADJOINING CLAIMS

On the north by San Xavier Indian Reservation

On the east by Fed No. 24, Cobre Hondo No. 2, Kino #10, Kino #14, Kino #15 and Mission No. 2.

On the south by Mission No. 1, Fed No. 34 and Survey No. 4402, Alpha No. 24.

On the west by Staf No. 1, Kino #1 and #2 and Golden West Nos. 4 and 5, Little Eva and Rhoda

FIELD ASSISTANTS

Name

Capacity

E. H. Jenkins

Transitman

James J. Walden

Chainman

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

CERTIFICATE OF SURVEYOR

May 13, 1957

I, T.N. Stevens

Mineral Surveyor, hereby certify upon honor that in pursuance of an order received from the

Office Cadastral Engineer, at Phoenix, Arizona

dated February 7, 1957, I have faithfully and correctly executed the survey of

the mining claim of American Smelting and Refining Company

known as the Golden West No. 7, Fed No. 19, Fed No. 20, Fed No. 21, Fed No. 22, Fed No. 35
Kino # 3, Kino # 4, Kino # 5, Kino # 6, Kino # 7, Kino # 8, Kino # 9, Kino # 13
Kino # 16, and Kino # 17 lodes (Lode, placer, or mill site)

situate in Pima Mining District, Pima County, Arizona, Sections 31 and 36

T. 16 S., R. 12 & 13 E., G. & S. R. Arizona Meridian, Arizona (State), and

designated as Survey No. 4427, which is represented in the foregoing field notes as having been executed by me and under my direction, and that said survey has been made in strict conformity with said order, the Manual of Instructions for the Survey of the Public Lands of the United States, and in the specific manner described in the foregoing field notes, and I do further certify that the labor expended and improvements made

upon or for the benefit of the lode location(s) embraced in the said mining claim by

claimant(s) or their grantors are fully stated in my report therein, and that the character, extent, location, and itemized value thereof are specified therein with particularity and full detail, and that no portion of, or interest in, said labor and improvements so credited to this claim has been included in the estimate of expenditures upon any other claim.

Tucson, Arizona
(Place)

T.N. Stevens
(Mineral Surveyor)
T. N. Stevens

CERTIFICATE OF APPROVAL

Bureau of Land Management Survey Office
(Office)

Phoenix, Arizona September 15, 1958
(Place) (Date)

The foregoing field notes of mineral survey No. 4427, in Secs. 31 and 36

Arizona, T. 16 S., R. 12 and 13 E., G. & S. R. Arizona Meridian,

Arizona (State), executed by T. N. Stevens, Mineral Surveyor,

under order dated February 7, 1957, having been critically examined and the necessary corrections made prior to their certification by the surveyor, the field notes and the survey therein described are hereby approved.

Lester S. Mann
Lester S. Mann
Office Cadastral Engineer
(Title)

CERTIFICATE OF TRANSCRIPT

I CERTIFY that the foregoing transcript of field notes of the above described mineral survey No. _____ is a true copy of the original field notes.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

CERTIFICATE OF SURVEYOR

May 13, 1937

T. E. Stevens

Mineral Surveyor hereby certifies upon oath that in pursuance of an order received from the

Office Geologist Engineer Phoenix Arizona

February 7, 1937

I have faithfully and correctly executed the survey of

the mineral claim of American Smelting and Refining Company

Golden West No. 7, Fed No. 12, Fed No. 20, Fed No. 21, Fed No. 22, Fed No. 23

known as the line 3, line 4, line 5, line 6, line 7, line 8, line 9, line 10, line 11

line 12, and line 13

situated in the Township of Phoenix, Pinal County, Arizona, Section 21 and 22

of Range 18 S., of Township 18 S., of Range 18 E., of the Arizona

Meridian, Arizona, G. A. S. 2. I have represented in the foregoing field notes as having been executed by me and under my direction and that said survey was made in strict conformity with and under the Manual of Instructions for the Survey of the Public Lands of the United States, and in the specific manner described in the foregoing field notes, and I do further certify that the labor expended and instruments used upon or for the benefit of the

claimant(s) or their grantors are fully stated in the report hereto, and that the character, extent, location and boundary lines thereof are specified therein in full detail, and that no portion of or interest in said labor and improvements so specified in this certificate has been included in the estimate of expenditures upon said claim.

T. E. Stevens
T. E. Stevens
Mineral Surveyor

Tucson, Arizona
February 7, 1937

CERTIFICATE OF APPROVAL

I, the undersigned, Office Geologist Engineer, Phoenix, Arizona, do hereby approve the foregoing field notes of mineral survey No. 1437

made by T. E. Stevens, Mineral Surveyor, on the 7th day of February, 1937.

The foregoing field notes of mineral survey No. 1437

made by T. E. Stevens, Mineral Surveyor, on the 7th day of February, 1937.

Arizona, February 7, 1937

under order dated February 7, 1937. I have examined the field notes and the survey thereon described and find that they are in accordance with the Manual of Instructions for the Survey of the Public Lands of the United States, and I do hereby approve the same.

Office Geologist Engineer
Phoenix, Arizona

CERTIFICATE OF TRANSCRIPT

I certify that the foregoing transcript of field notes of the above specified mineral survey No. 1437 is a true and correct copy of the original field notes.